

1/17

FIG. 1

PRIOR ART

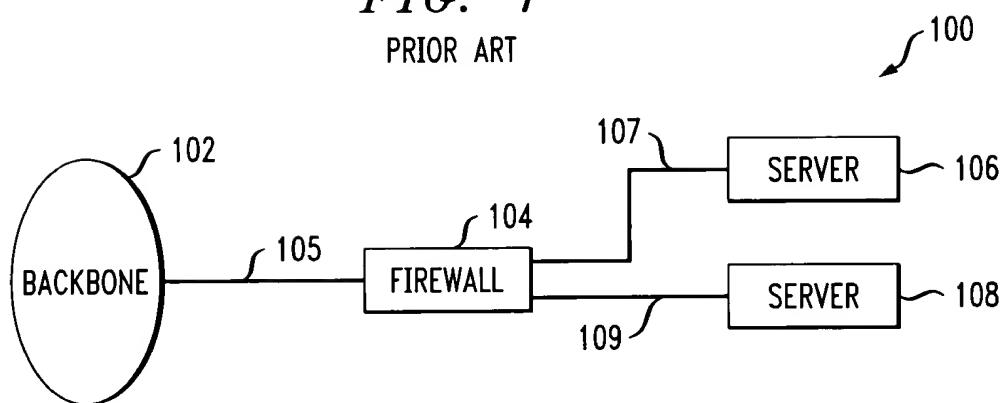


FIG. 2

PRIOR ART

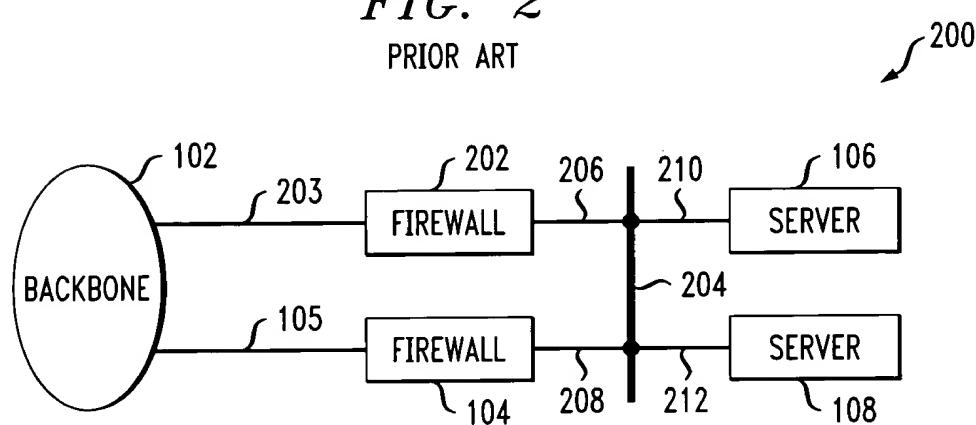
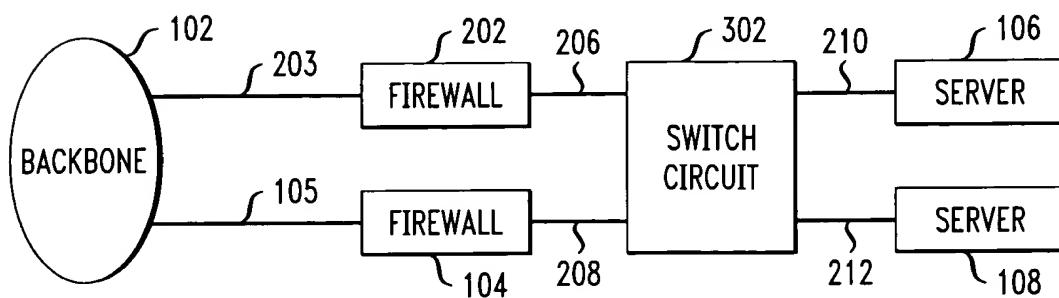


FIG. 3



2/17

FIG. 4

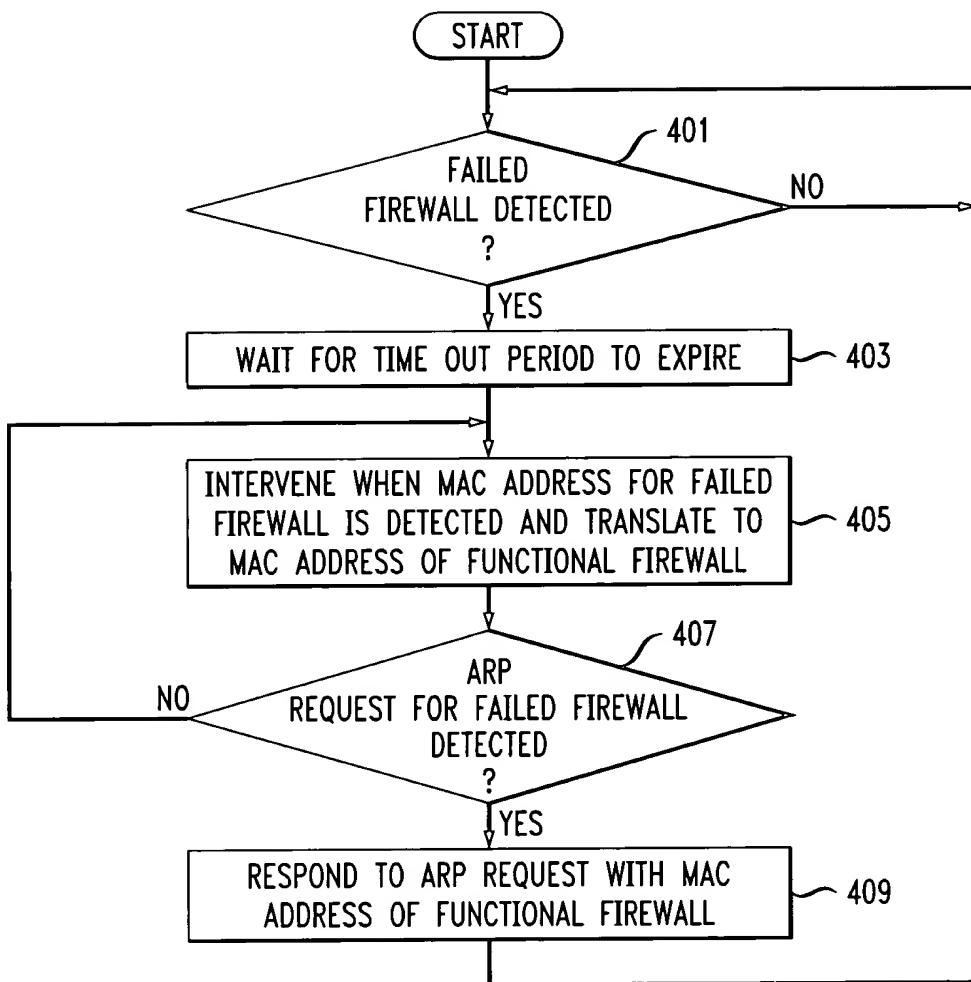
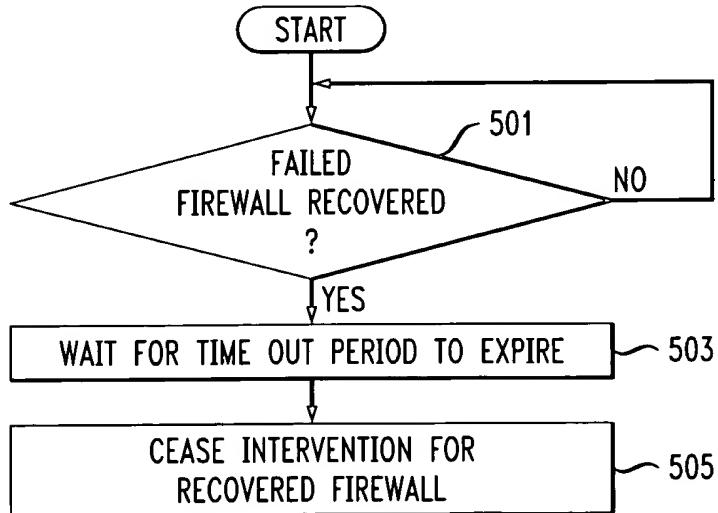


FIG. 5



3/17

FIG. 6

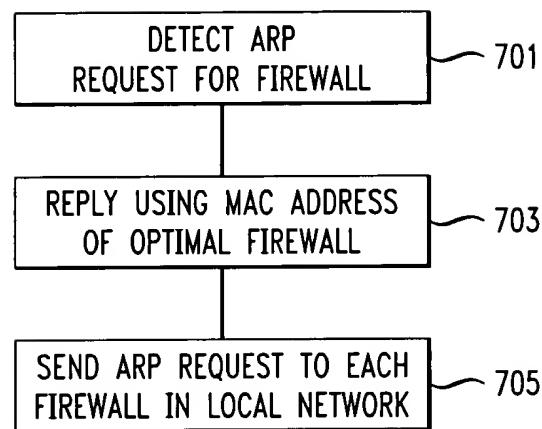
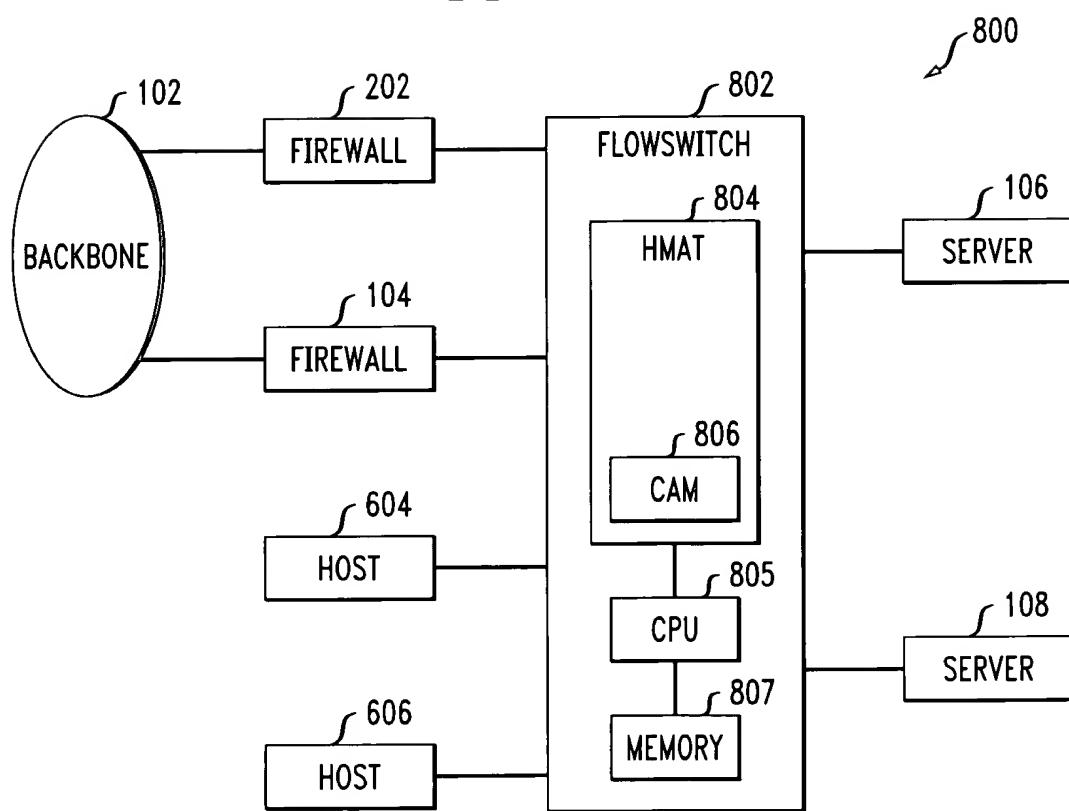


FIG. 7



4/17

FIG. 8A

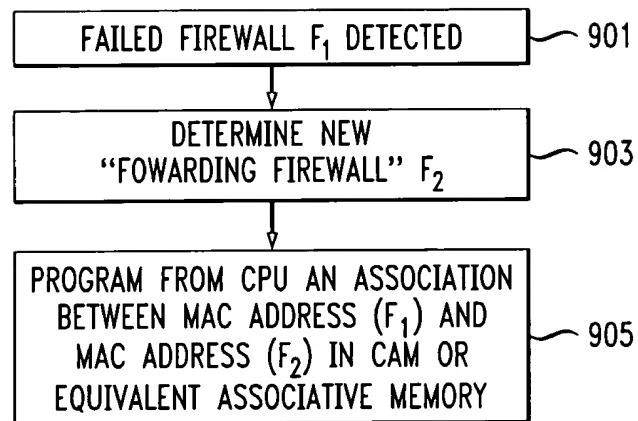
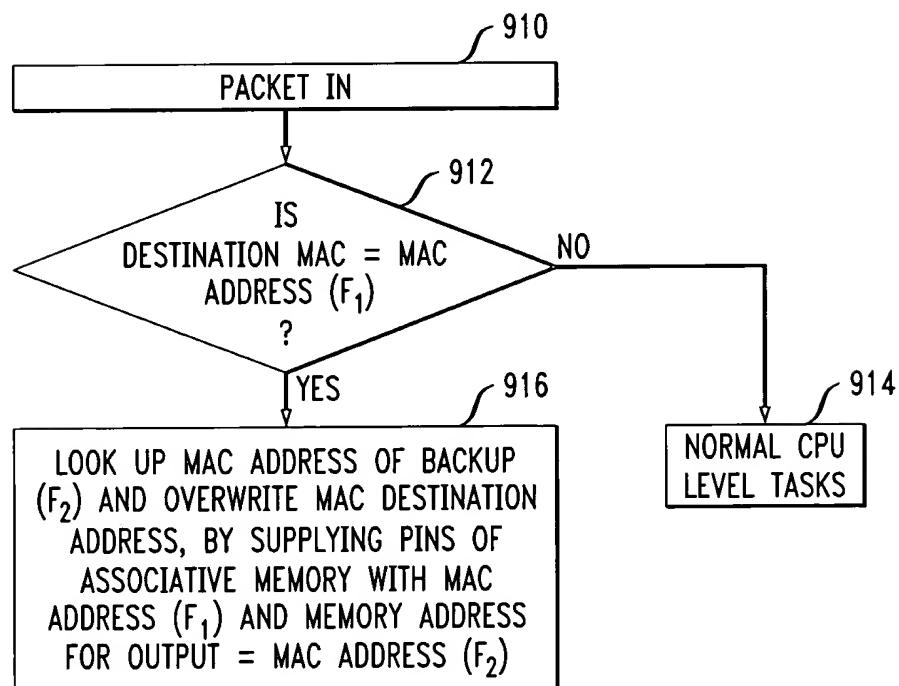


FIG. 8B



5/17

FIG. 9B

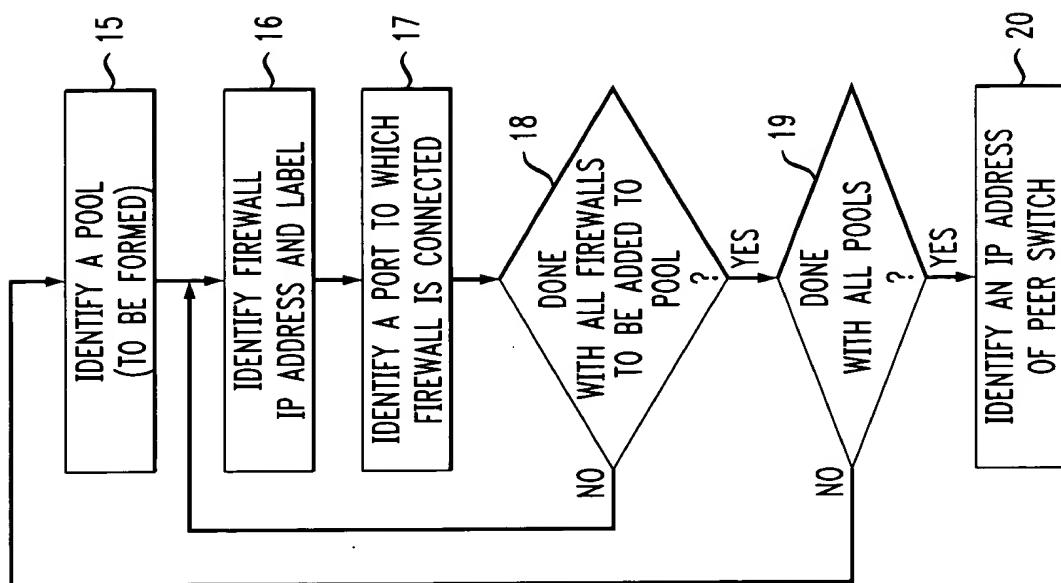
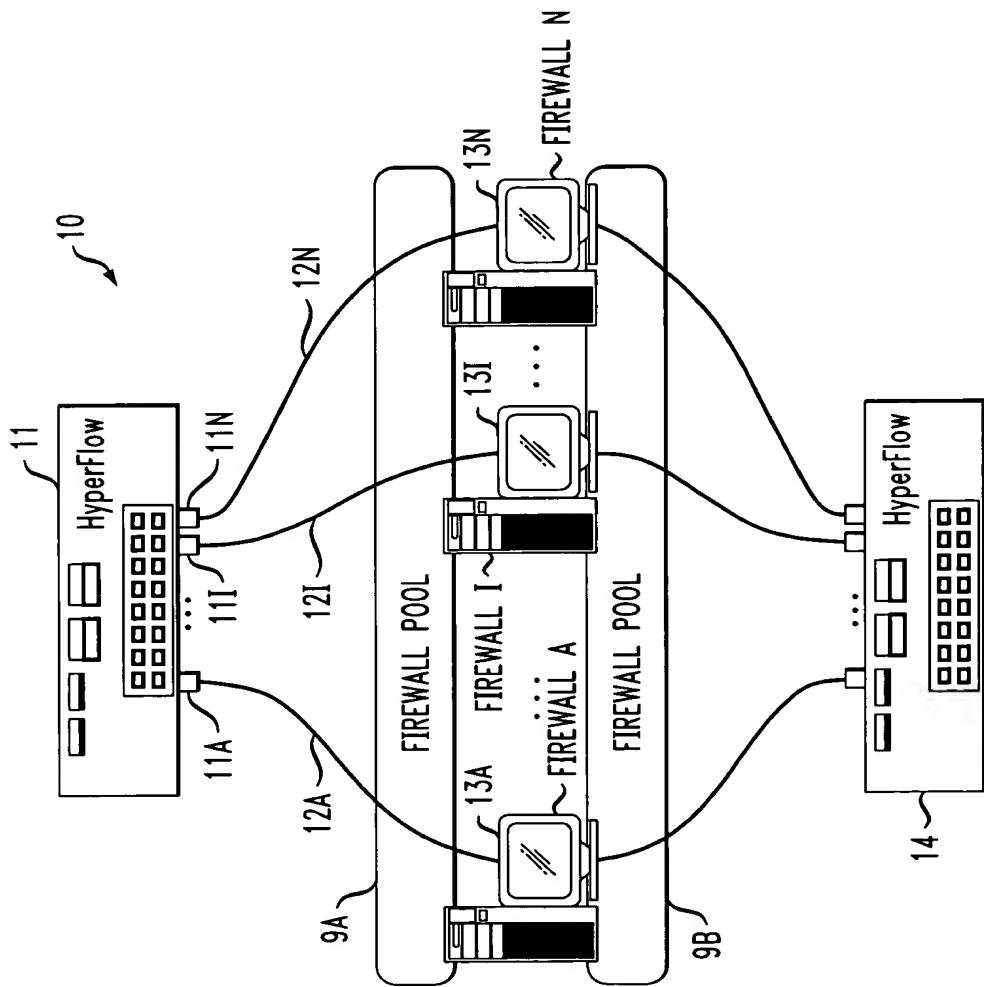


FIG. 9A



6/17

FIG. 9C

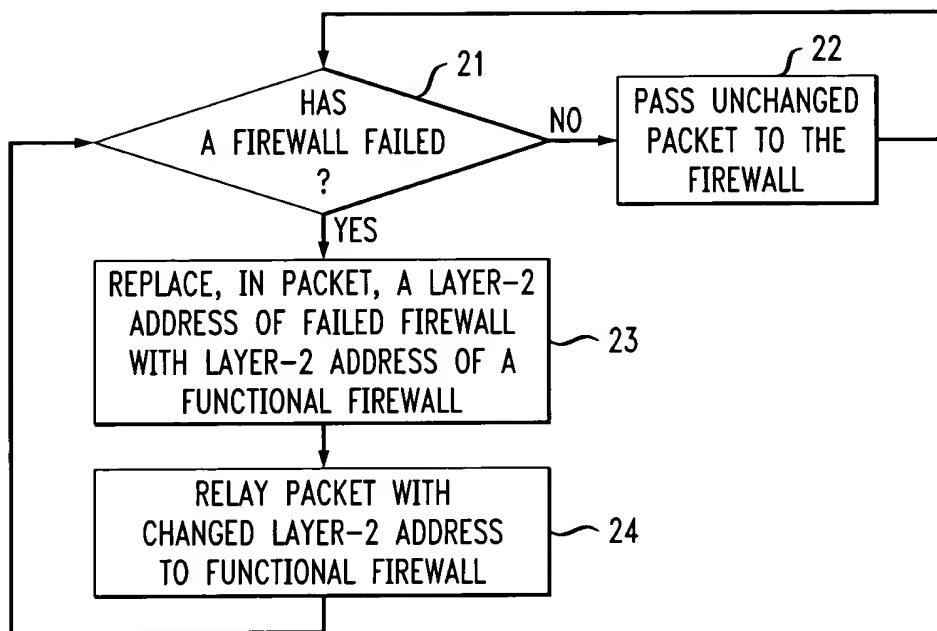
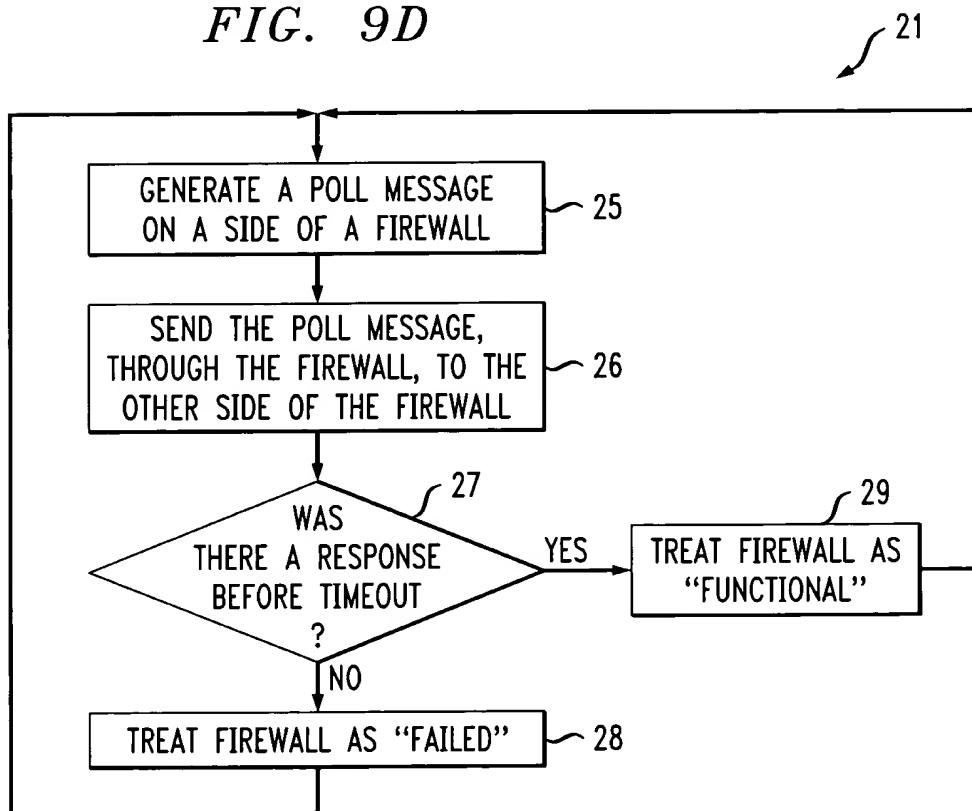
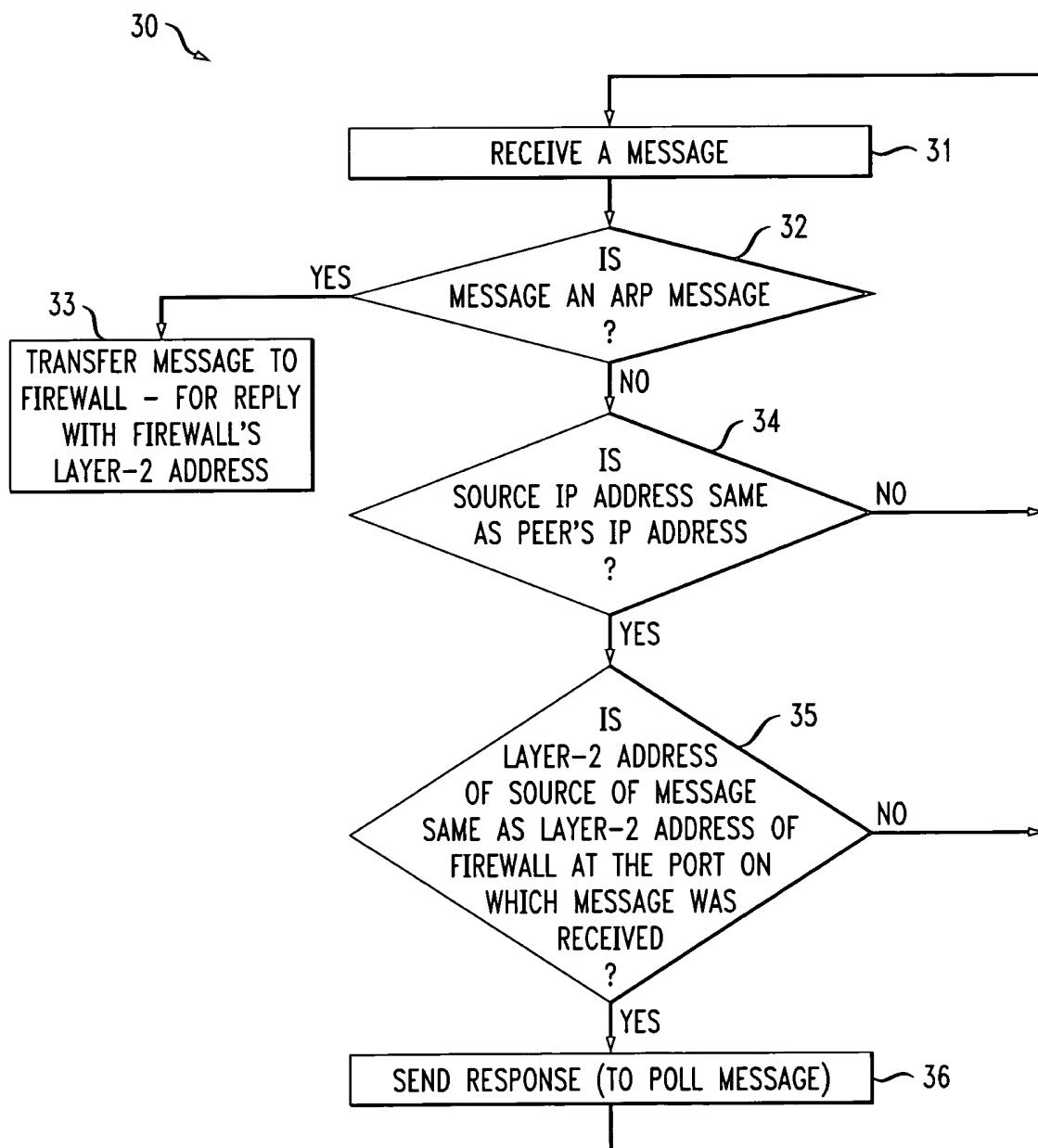


FIG. 9D



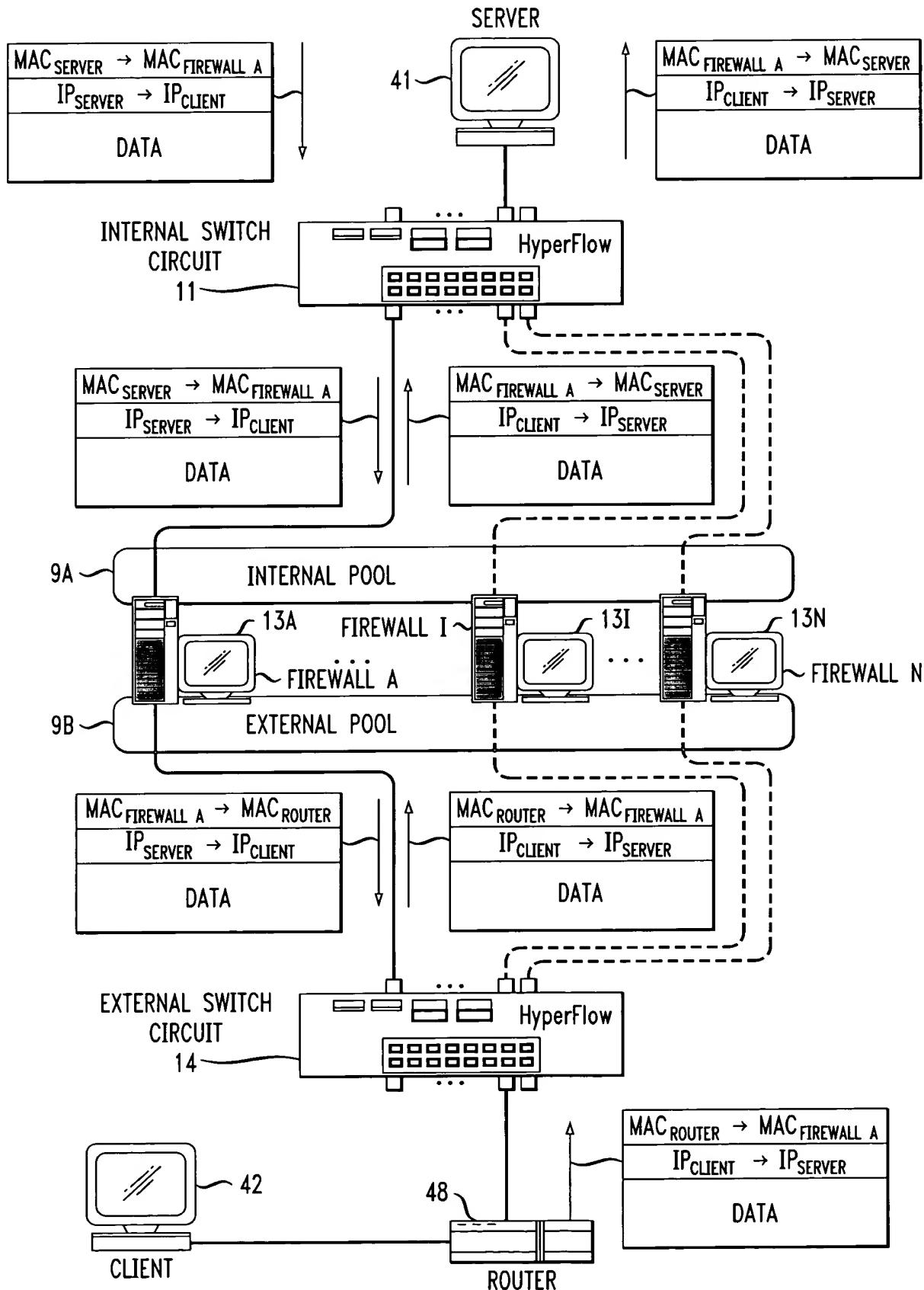
7/17

FIG. 9E



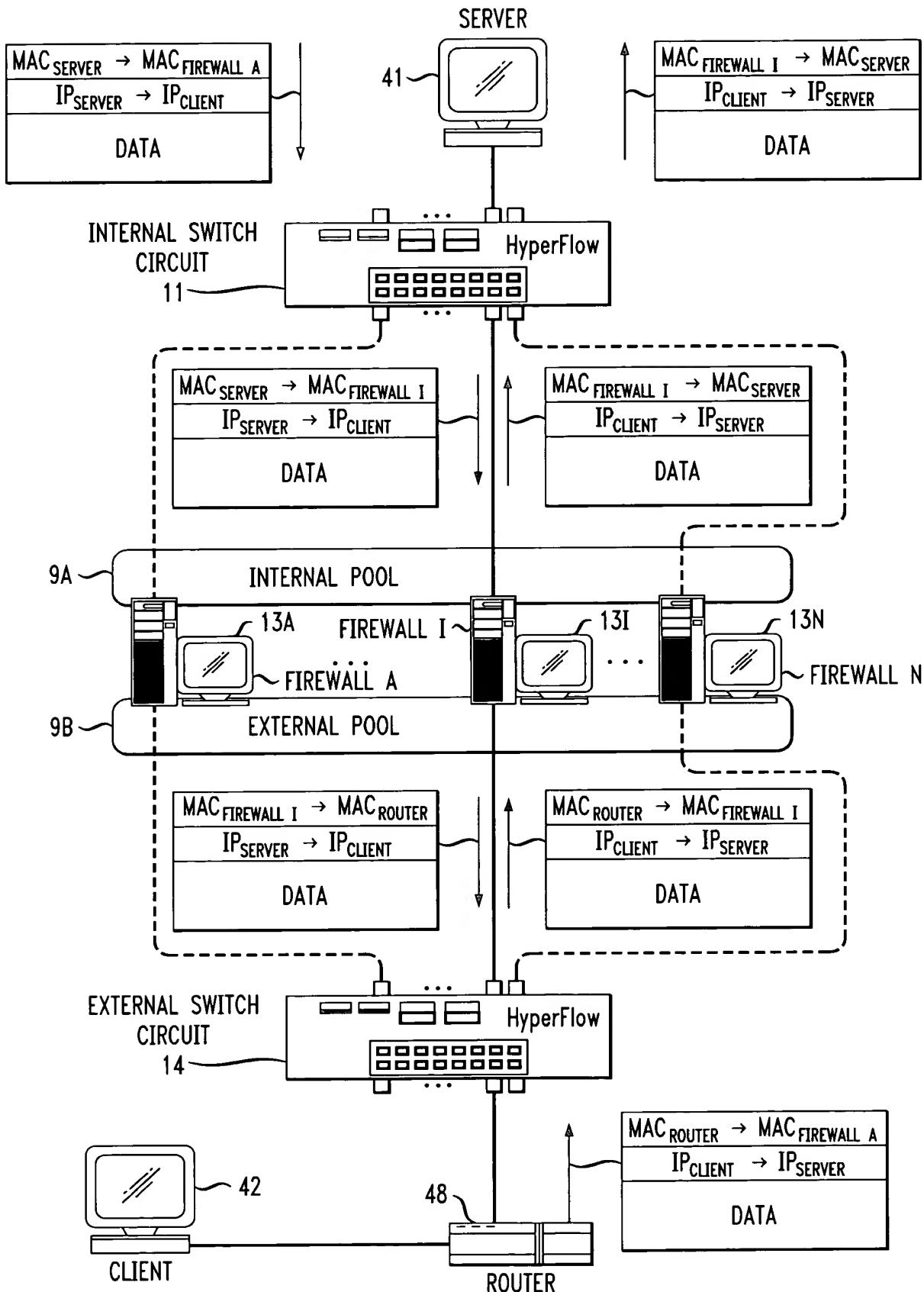
8/17

FIG. 9F



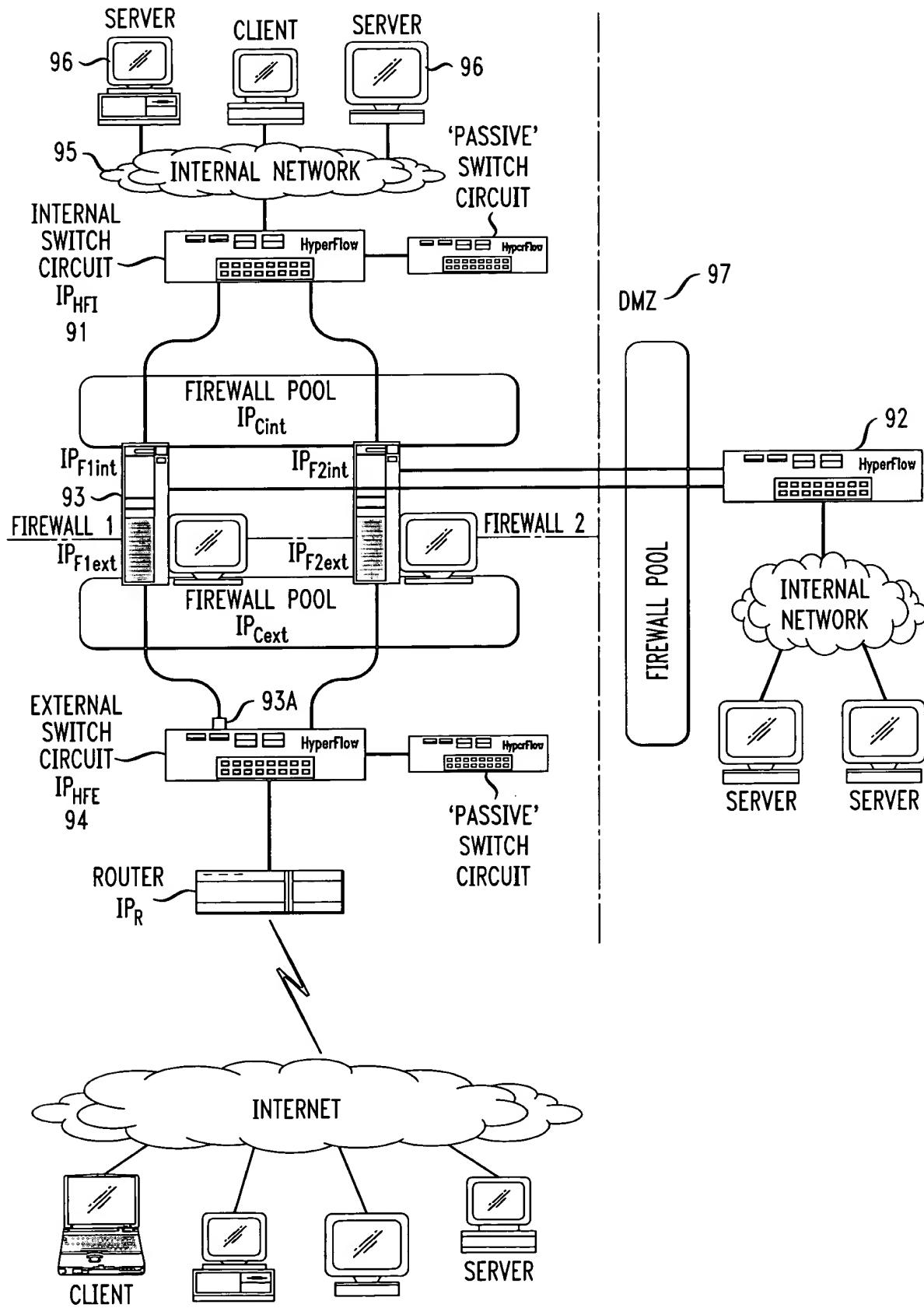
9/17

FIG. 9G



10/17

FIG. 10



11/17

FIG. 11A

The diagram shows a table structure for firewall replacement. The table has four columns labeled 57, 58, 59, and 60 from left to right. The first column is labeled 'POOL ID'. The second column is labeled 'ANY FIREWALL FAULTY IN POOL'. The third column is labeled 'REPLACEMENT FIREWALL'. The fourth column is labeled 'FIREWALL LIST'. There are five rows in the table. The first row contains the column labels. The second row is empty. The third row contains the text '55' under the 'FIREWALL LIST' column. The fourth row contains a vertical ellipsis '...' between the second and third columns. The fifth row is empty. Vertical arrows on the left side of the table point to each row and are labeled 56. A horizontal arrow at the top points to the 'FIREWALL LIST' column and is labeled 50.

57	58	59	60
56	POOL ID	ANY FIREWALL FAULTY IN POOL	REPLACEMENT FIREWALL
56			<u>55</u>
56		~	~
56		~	~
56		...	~
56			~
56			~

FIG. 11B

The diagram shows a linked list of firewalls. It consists of two identical table structures, each with five columns: 'PORT', 'MAC ADDRESS', 'IP ADDRESS', 'THIS FIREWALL FAULTY', and 'NEXT FIREWALL IN POOL'. The first table is associated with the label 'FIREWALL LIST 55' on its left. The second table is associated with the label '61' on its right. Ellipses between the tables indicate they are part of a larger list.

PORT	MAC ADDRESS	IP ADDRESS	THIS FIREWALL FAULTY	NEXT FIREWALL IN POOL

FIREWALL LIST 55

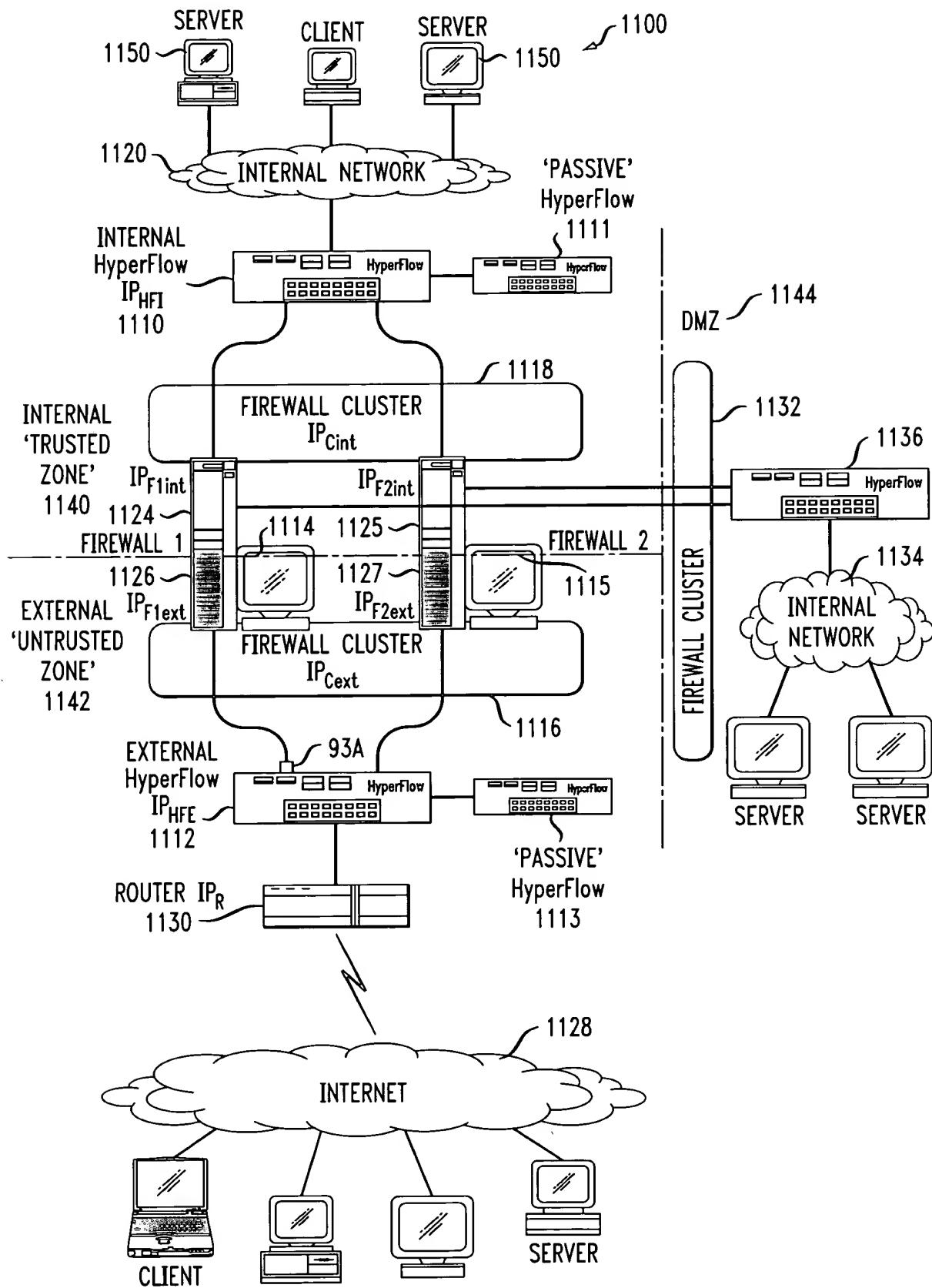
61

PORT	MAC ADDRESS	IP ADDRESS	THIS FIREWALL FAULTY	NEXT FIREWALL IN POOL

61

FIG. 12

12/17



13/17

FIG. 13

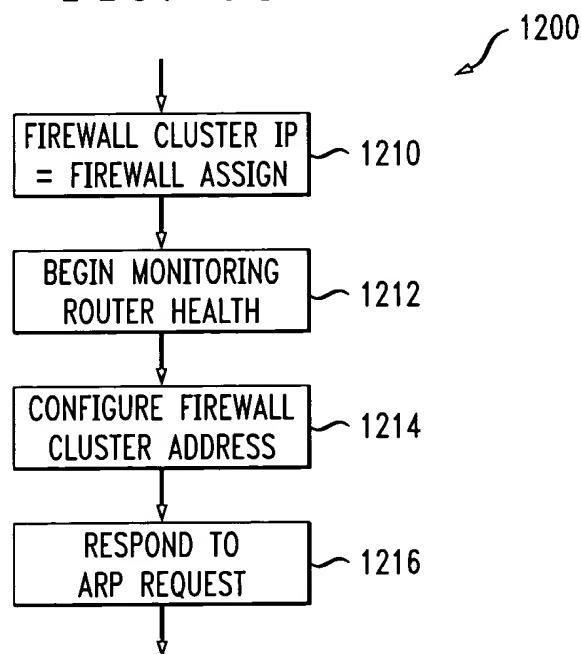
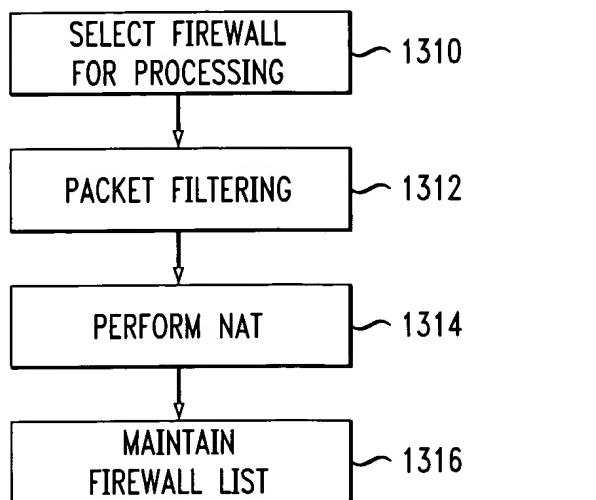
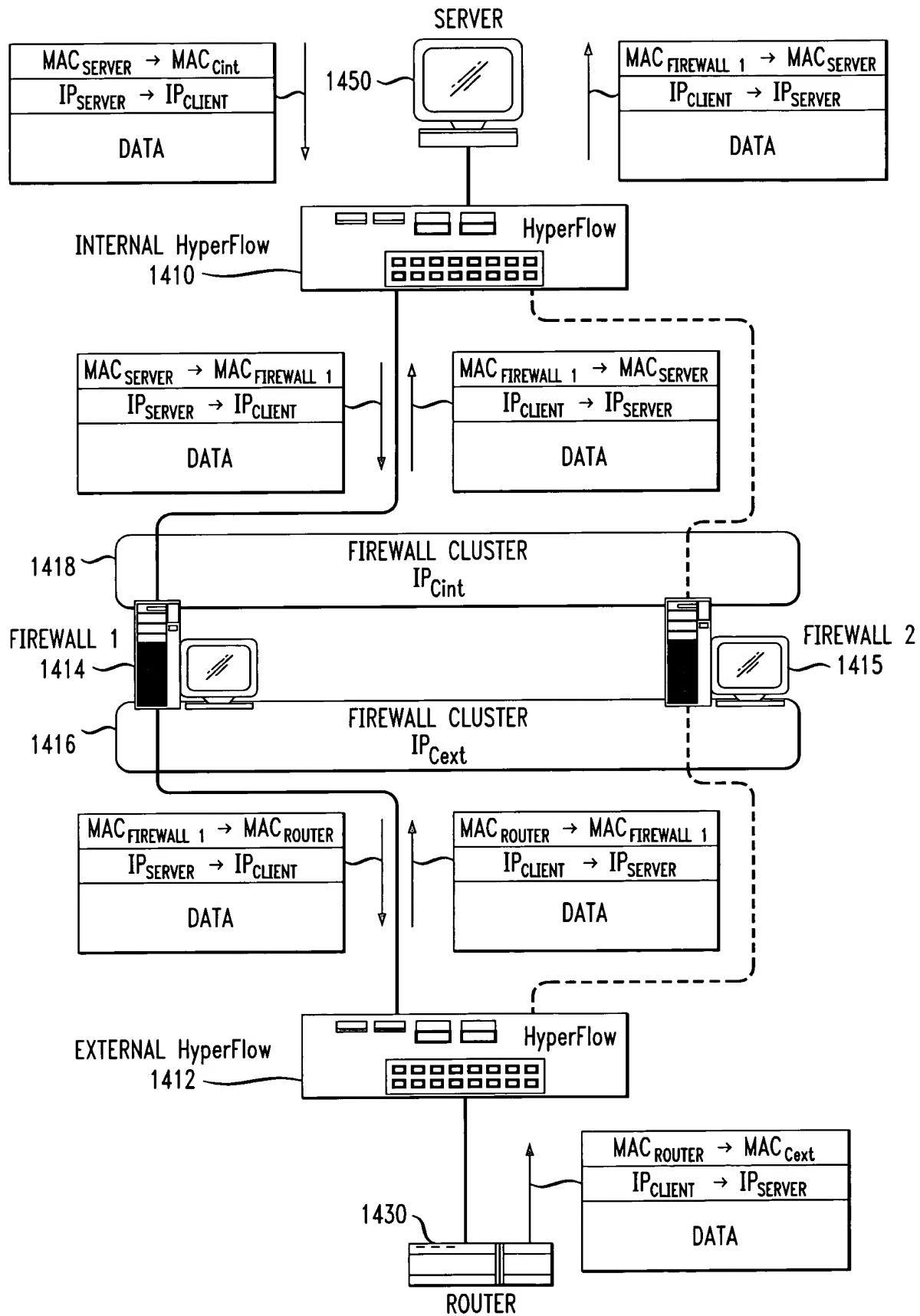


FIG. 14



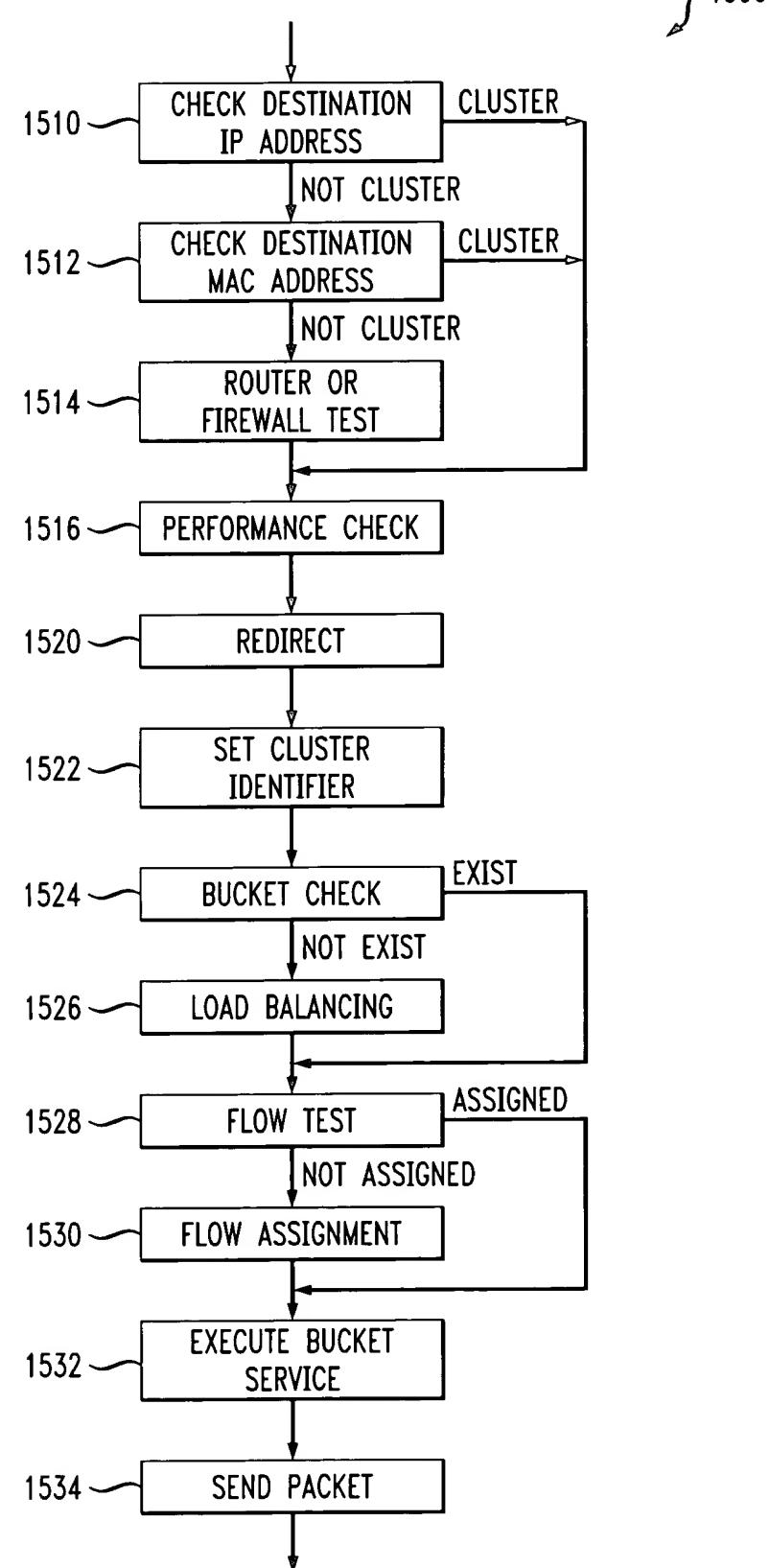
14/17

FIG. 15



15/17

FIG. 16



16/17

FIG. 17

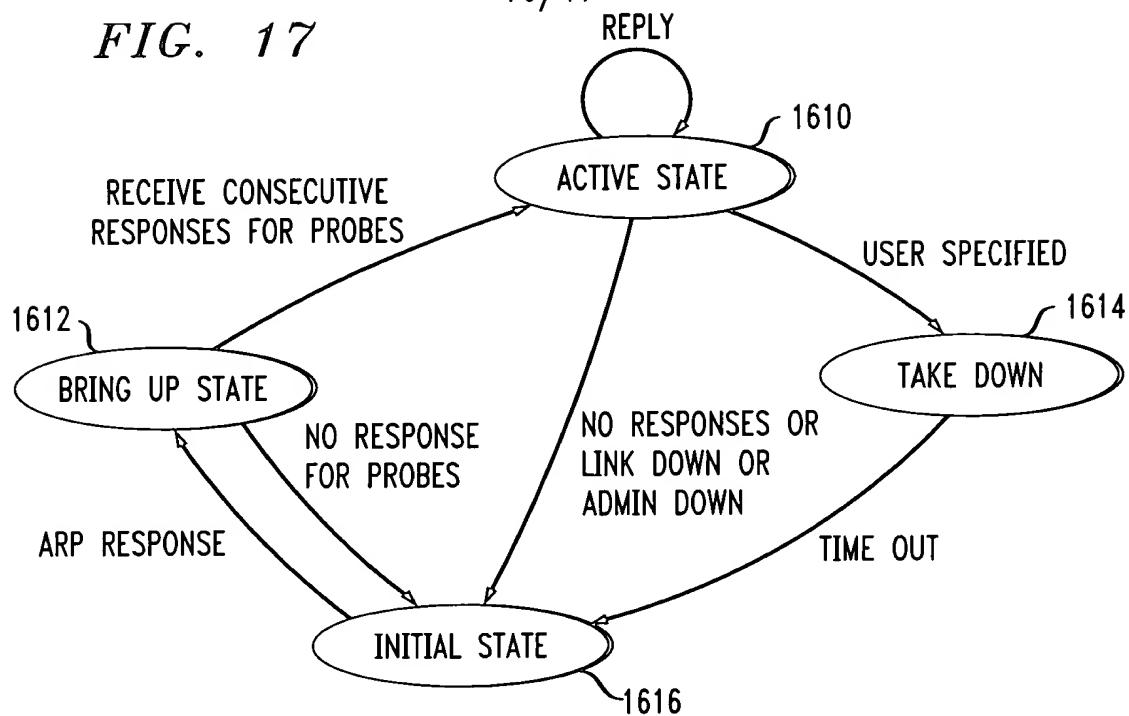


FIG. 18

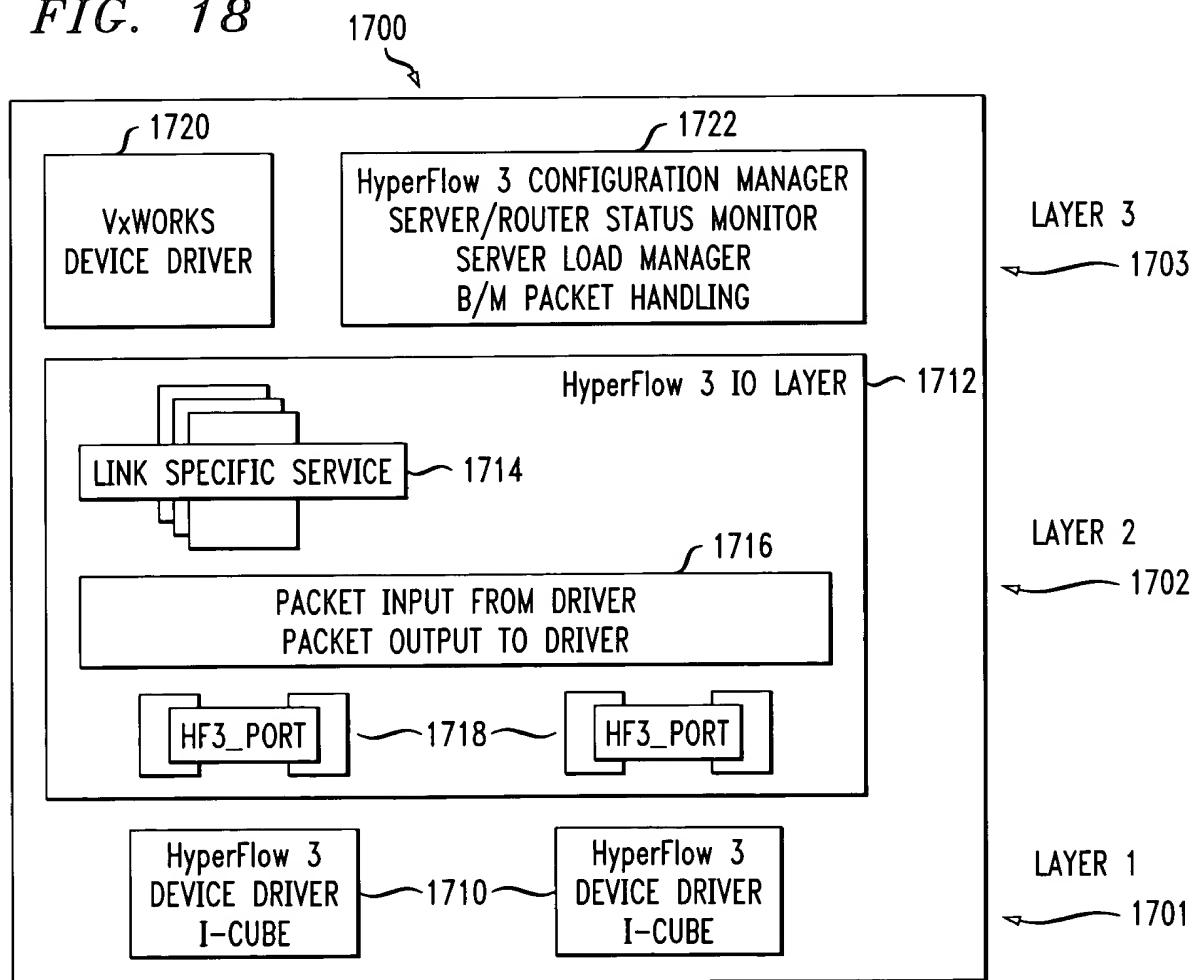


FIG. 19 17/17

